



Pre-Packaged Config Profiles

Introduction

There are two types of Config Profiles pre-packaged and available by default in DCNM:

- Partition Config-Profile
- Network Config-Profile

Pre-Packaged Partition Config-Profile Details

This section lists the contents of the partition config-profiles that will be part of the DCNM profiles database that ships with the DFA solution. Note that new parameterized profiles can be added on top of this existing set. In addition, the existing profiles may be modified so that they can be tailored to the specific data center needs (with some caution).

```
configure profile vrf-common
  vrf context $vrfName
    vni $include_l3_segid
    rd auto
    address-family ipv4 unicast
      route-target both auto
    address-family ipv6 unicast
      route-target both auto
  router bgp $asn
    vrf $vrfName
      address-family ipv4 unicast
        redistribute hmm route-map FABRIC-RMAP-REDIST-HOST
        maximum-paths ibgp 2
      address-family ipv6 unicast
        redistribute hmm route-map FABRIC-RMAP-REDIST-HOST
        maximum-paths ibgp 2
  end
configure profile vrf-common-services
```

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```

vrf context $vrfName
  ip route 0.0.0.0/0 $include_serviceIpAddress pref 1
  vni $include_l3_segid
  rd auto
  address-family ipv4 unicast
    route-target both auto
  address-family ipv6 unicast
    route-target both auto
  router bgp $asn
  vrf $vrfName
    address-family ipv4 unicast
      redistribute hmm route-map FABRIC-RMAP-REDIST-HOST
      maximum-paths ibgp 2
    address-family ipv6 unicast
      redistribute hmm route-map FABRIC-RMAP-REDIST-HOST
      maximum-paths ibgp 2
end

```

Pre-Packaged Network Config-Profile Details

This section lists the contents of the network config-profiles that will be part of the DCNM profiles database which ships with the DFA solution.

**Caution**

The new parameterized profiles can be added on top of this existing set. In addition, the existing profiles may be modified so that they can be tailored to the specific data center needs.

```

config profile defaultNetworkIpv4EfProfile
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
  interface vlan $vlanId
    vrf member $vrfName
    ip address $gatewayIpAddress/$netMaskLength
    ip dhcp relay address $dhcpServerAddr use-vrf default
    fabric forwarding mode proxy-gateway
    no ip redirects
    no shutdown
  include profile vrf-common
end

config profile defaultNetworkIpv4TfProfile

```

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```
interface vlan $vlanId
  vrf member $vrfName
  ip address $gatewayIpAddress/$netMaskLength
ip dhcp relay address $dhcpServerAddr use-vrf default
  fabric forwarding mode anycast-gateway
  no shutdown
vlan $vlanId
  vn-segment $segmentId
  mode fabricpath
  include profile vrf-common
end
```

```
config profile defaultNetworkIpv6EfProfile
  interface vlan $vlanId
    vrf member $vrfName
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode proxy-gateway
    no ipv6 redirects
    no shutdown
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
    include profile vrf-common
end
```

```
config profile defaultNetworkIpv6TfProfile
  interface vlan $vlanId
    vrf member $vrfName
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode anycast-gateway
    no shutdown
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
    include profile vrf-common
end
```

```
config profile defaultNetworkIpv4v6EfProfile
  interface vlan $vlanId
    vrf member $vrfName
```

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```

ip address $gatewayIpAddress/$netMaskLength
ipv6 address $gatewayIpv6Address/$prefixLength
fabric forwarding mode proxy-gateway
no ip redirects
no ipv6 redirects
no shutdown
vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
include profile vrf-common
end

config profile defaultNetworkIpv4v6TfProfile
interface vlan $vlanId
    vrf member $vrfName
    ip address $gatewayIpAddress/$netMaskLength
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode anycast-gateway
    no shutdown
vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
include profile vrf-common
end

config profile defaultNetworkIpv4EfEdgeServiceProfile
interface vlan $vlanId
    vrf member $vrfName
    ip address $gatewayIpAddress/$netMaskLength
# ip dhcp relay address $dhcpServerAddr use-vrf default
    fabric forwarding mode proxy-gateway
    no ip redirects
    no shutdown
vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
include profile vrf-common-services
end

config profile defaultNetworkIpv4TfEdgeServiceProfile

```

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```

interface vlan $vlanId
  vrf member $vrfName
  ip address $gatewayIpAddress/$netMaskLength
# ip dhcp relay address $dhcpServerAddr use-vrf default
  fabric forwarding mode anycast-gateway
  no shutdown
vlan $vlanId
  vn-segment $segmentId
  mode fabricpath
  include profile vrf-common-services
end

```

```

config profile defaultNetworkIpv4v6EfServiceProfile
interface vlan $vlanId
  vrf member $vrfName
  ip address $gatewayIpAddress/$netMaskLength
  ipv6 address $gatewayIpv6Address/$prefixLength
  fabric forwarding mode proxy-gateway
  no ip redirects
  no ipv6 redirects
  no shutdown
vlan $vlanId
  vn-segment $segmentId
  mode fabricpath
  include profile vrf-common-services
end

```

```

config profile defaultNetworkIpv4v6TfServiceProfile
interface vlan $vlanId
  vrf member $vrfName
  ip address $gatewayIpAddress/$netMaskLength
  ipv6 address $gatewayIpv6Address/$prefixLength
  fabric forwarding mode anycast-gateway
  no shutdown
vlan $vlanId
  vn-segment $segmentId
  mode fabricpath
  include profile vrf-common-services
end

```

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```
config profile defaultNetworkL2Profile
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end

config profile defaultNetworkdefaultPartitionIpv4EfProfile
  interface vlan $vlanId
    ip address $gatewayIpAddress/$netMaskLength
# ip dhcp relay address $dhcpServerAddr
    fabric forwarding mode proxy-gateway
    no ip redirects
    no shutdown
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end

config profile defaultNetworkdefaultPartitionIpv4TfProfile
  interface vlan $vlanId
    ip address $gatewayIpAddress/$netMaskLength
# ip dhcp relay address $dhcpServerAddr
    fabric forwarding mode anycast-gateway
    no shutdown
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end

config profile defaultNetworkdefaultPartitionIpv6EfProfile
  interface vlan $vlanId
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode proxy-gateway
    no ipv6 redirects
    no shutdown
  vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end
```

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```
config profile defaultNetworkdefaultPartitionIpv6TfProfile
interface vlan $vlanId
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode anycast-gateway
    no shutdown
vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end
```

```
config profile defaultNetworkdefaultPartitionIpv4v6EfProfile
interface vlan $vlanId
    ip address $gatewayIpAddress/$netMaskLength
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode proxy-gateway
    no ip redirects
    no ipv6 redirects
    no shutdown
vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end
```

```
config profile defaultNetworkdefaultPartitionIpv4v6TfProfile
interface vlan $vlanId
    ip address $gatewayIpAddress/$netMaskLength
    ipv6 address $gatewayIpv6Address/$prefixLength
    fabric forwarding mode anycast-gateway
    no shutdown
vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
end
```

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